

Applicant : Paul G. Yock, et al.
Appl. No. : 10/776,037
Examiner : Marvich, Maria
Docket No. : 13854.4004

Amendments to the Claims

In accordance with 37 C.F.R. 1.173(b)(2), the following claims are changed or added by this amendment:

1. (Twice Amended) A method of locally administering an active agent to a host, said method comprising:

retroinfusing said agent into a vascular vessel of said host under conditions sufficient for the agent or a fluid delivery vehicle thereof to produce a disruption in said vessel and for said agent to enter an interstitial space of said host through said disruption so that said agent is locally administered to said host, wherein said disruption comprises a passageway created in a wall of said vessel.

8. (Twice Amended) A method of locally administering an active agent to a host, said method comprising:

retroinfusing said agent into a vein of said host under conditions sufficient for the agent or a fluid delivery vehicle thereof to produce a disruption in said vein [vessel] and for said agent to enter an interstitial space of said host through said disruption so that said agent is locally administered to said host, wherein said disruption comprises a passageway created in a wall of said vein.

15. (Twice Amended) A method of locally administering an active agent to a host, said method comprising:

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retroinfusing said agent into a vein of said host with a catheter and at a pressure sufficient for the agent or a fluid delivery vehicle thereof to produce a disruption in [on] said vein such that said agent enters an interstitial space proximal to the vein through said disruption, wherein said disruption comprises a passageway created in a wall of said vein; whereby said agent is locally administered to said host.

37. (Twice Amended) A method of locally administering an active agent to a host, said method comprising:

retroinfusing a fluid into a vascular vessel of said host under conditions sufficient for the fluid to produce a disruption in said vessel and infusing said agent into an interstitial space of said host through said disruption and locally administering said agent to said host through said disruption, wherein said disruption comprises a passageway created in a wall of said vessel.

44. (Twice Amended) A method of locally administering an active agent to a host, said method comprising:

retroinfusing a fluid into a vein of said host under conditions sufficient for the fluid to produce a disruption in said vein and infusing said agent into an interstitial space of said host through said disruption so that said agent is locally administered to said host, wherein said disruption comprises a passageway created in a wall of said vein.

51. (Twice Amended) A method of locally administering an active agent to a host, said method comprising:

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retroinfusing a fluid into a vein of said host with a catheter and at a pressure sufficient for the fluid to produce a disruption in said vein and infusing said agent into an interstitial space proximal to the vein through said disruption, wherein said disruption comprises a passageway created in a wall of said vein;
whereby said agent is locally administered to said host.

56. (Twice Amended) A method of locally administering an active agent to a host, said method comprising:

retroinfusing said agent into a vascular vessel of said host under conditions sufficient for the agent or a fluid delivery vehicle thereof to produce at least a mechanical stress on said vessel, which stress facilitates the transport of said agent through the wall of said vessel so that said agent is locally administered to said host by producing a disruption in the wall of said vessel, wherein said disruption comprises a passageway created in the wall of said vessel,

wherein said method further comprises administration of energy to said vessel.

57. (Amended) The method according to claim 56, wherein said retroinfusing comprises administering the agent or the fluid delivery vehicle thereof at a pressure sufficient to at least distend said vessel.

58. (Amended) The method according to claim 56, wherein said retroinfusing comprises administering the agent or the fluid delivery vehicle thereof at a pressure sufficient to disrupt said vessel.

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67. (Twice Amended) A method of locally administering an active agent to a host, said method comprising:

retroinfusing said agent into a vascular vessel of said host under conditions sufficient for the agent or a fluid delivery vehicle thereof to at least distend said vessel, which distention facilitates the transport of said agent through the wall of said vessel so that said agent is locally administered to said host by producing a disruption in the wall of said vessel, wherein said disruption comprises a passageway created in the wall of said vessel, wherein said method further comprises administration of energy to said vessel.

69. (Amended) The method according to claim 67, wherein said retroinfusing comprises administering the agent or the fluid delivery vehicle thereof at a pressure sufficient to disrupt said vessel.

78. (Twice Amended) A method of locally administering an active agent to a host, said method comprising:

retroinfusing a fluid into a vascular vessel of said host under conditions sufficient for the fluid to produce a mechanical stress in said vessel, which stress facilitates the transport of said agent through a wall of said vessel so that said agent is locally administered to said host by producing a disruption in the wall of said vessel, wherein said disruption comprises a passageway created in the wall of said vessel,

wherein said method further comprises administration of energy to said vessel.

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80. (Amended) The method according to claim 78, wherein said retroinfusing comprises administering the fluid at a pressure sufficient to at least distend said vessel.

81. (Amended) The method according to claim 78, wherein said retroinfusing comprises administering the fluid at a pressure sufficient to disrupt said vessel.

90. (Twice Amended) A method of locally administering an active agent to a host, said method comprising:

retroinfusing a fluid into a vascular vessel of said host under conditions sufficient for the fluid to at least distend said vessel, which distention facilitates the transport of said agent through the wall of said vessel so that said agent is locally administered to said host by producing a disruption in the wall of said vessel, wherein said disruption comprises a passageway created in the wall of said vessel,

wherein said method further comprises administration of energy to said vessel.

92. (Amended) The method according to claim 90, wherein said retroinfusing comprises administering the fluid at a pressure sufficient to disrupt said vessel.